

claims

1. A connection assembly detachably connected to a main body of a medical apparatus for use in diagnosis and treatment, wherein said connection assembly has a communication means for sending and receiving the information on said connection body to and from said medical apparatus.

2. The connection assembly as set forth in claim 1, wherein said communication means is comprised of a serial or parallel output type communication means.

3. The connection assembly as set forth in claim 1 or 2, wherein said communication means has a storage means for memorizing and storing the information on said connection assembly.

4. The connection assembly as set forth in claim 1 or 2, wherein a microcomputer element or a communication integration element is used as said communication means.

5. The connection assembly as set forth in claim 1, wherein said information is an identification information for identifying said connection assembly and/or a functional information on the function achieved by said connection assembly.

6. The connection assembly as set forth in claim 1 or 2, further comprising an identification signal output means with nonvolatile storage means, wherein any one of serial data, voltage level signals of which wave height value is varied at a predetermined repetition cycle, frequency identification signals of which frequency is varied is used as an identification signal from said identification signal output means, based on the data stored in said nonvolatile storage means.

7. The connection assembly as set forth in claim 1 or 2, further comprising a connection part for detachably connecting said instrument assembly to said main body, wherein said connection part constitutes a multi junction connection.

8. The connection assembly as set forth in claim 1, wherein said communication means is a passive element electrically to be connected

to said main body of said medical apparatus.

9. The connection assembly as set forth in claim 1 or 2, wherein said connection assembly includes a charging battery.

10. A medical apparatus for use in diagnosis and treatment in which a connection assembly is detachably connected to a main body of the medical apparatus, wherein:

said connection assembly is comprised of a communication means for sending and receiving information on said connection assembly to and from said main body of said medical apparatus, and wherein function to be achieved by said connection assembly is realized cooperating with said connection assembly by the information obtained from said communication means upon connecting said connection assembly to said main body of said medical apparatus.

11. The medical apparatus for use in diagnosis and treatment as set forth in claim 10, wherein a part of said function is achieved by setting a driving circuit or a control circuit corresponding to the connected connection assembly.

12. The medical apparatus for use in diagnosis and treatment as set forth in claim 10 or 11, wherein a part of said function is achieved by setting display mode of display means and/or input mode of input means such as touch panel corresponding to the connected connection assembly.

13. The medical apparatus for use in diagnosis and treatment as set forth in claim 10 or 11, wherein the management of usage history and the distinction of using operator of the specified connection assembly can be executed, when said connection assembly is specified based on the information obtained from said connection assembly.

14. The medical apparatus for use in diagnosis and treatment as set forth in claim 10 or 11, wherein said main body of said medical apparatus has a microcomputer element or a communication integration element as a communication means for said connection assembly to be connected.

15. The medical apparatus for use in diagnosis and treatment as set forth in claim 10 or 11, wherein wiring to a connection part for

detachably connecting said connection assembly in said main body constitutes a multi-branch structure.

16. The medical apparatus for use in diagnosis and treatment as set forth in claim 10, wherein said connection assembly is the connection assembly with communication function as set forth in claim 5.